

B3426 Bile salts mixture

Product Description

The Bile salts mixture selectively inhibits Gram-positive bacteria and induced germination. It also inhibits outgrowth of the germinated spores but does not interfere with the growth of *Enterobacteriaceae*. The Bile salts mixture is obtained from fresh bile, which is repeatedly extracted to purify and retain its inhibitory properties.

The use of the Bile salts mixture is recommended in diverse media like MacConkey Agar, SS Agar, and Violet Red Bile Agar. It increases the selectivity of the media to *Enterobacteriaceae* by inhibiting Gram-positive bacteria. In media supplemented with bile salts, a very small precipitate may be observed around coliform colonies, due to acid formation from the bacteria fermenting lactose.

The Bile salts mixture is a white, free flowing, fine powder. It is freely soluble in water and forms a clear, colorless solution that produces foam if shaken. When incorporated into culture media, the bile salts mixture does not affect the color of indicator dyes or their subsequent color change.

Bile Salts: $\geq 45\%$ (expressed as cholic acid)

Moisture: $\leq 6.0\%$

Final pH: 7.0 ± 0.5 (1% Solution)

Storage / Stability

Store the product at 20–25 °C.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

